



Supplemental Figure 1. The expression of CTSK in the articular tissue. (A) IHC staining of CTSK positive cells in the articular tissue. The red arrow indicates positive cells. **(B)** Quantification of CTSK positive cells in “A”. Control: untreated DBA/J1 mice; *P.g*: mice orally infected with *Porphyromonas gingivalis*; CIA: mice with collagen-induced arthritis (CIA); GFP: mice received empty AAV vectors (AAV-U6-CAG-EGFP); CtsK: mice received AAV-U6-Ctsk-shRNA-CAG-EGFP. Data are presented as the mean \pm SD. Statistics in “B” was determined by Kruskal Wallis test and Mann-Whitney U exact test. The asterisk (with no line connection) on the column of this group represents the statistical difference between it and the control group. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$. Experiments were repeated three times.